

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE <b>J</b>		PAGE OF PAGES <b>1   8</b>	
2. AMENDMENT/MODIFICATION NO. <b>0004</b>		3. EFFECTIVE DATE <b>09-Oct-2003</b>		4. REQUISITION/PURCHASE REQ. NO. <b>W16ROE-3203-8775</b>		5. PROJECT NO.(If applicable)	
6. ISSUED BY USA ENGINEER DISTRICT, NEW YORK ATTN: CENAN-CT ROOM 1843 26 FEDERAL PLAZA (DACW51) NEW YORK NY 10278-0090		CODE <b>DACW51</b>		7. ADMINISTERED BY (If other than item 6) CIVIL WORKS TEAM 26 FEDERAL PLAZA NEW YORK NY 10278-0090		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. <b>DACW51-03-B-0019</b>	
				X		9B. DATED (SEE ITEM 11) <b>22-Aug-2003</b>	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. <b>FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.</b> If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this amendment is to incorporate the following changes: 1) Change the bid opening date to 30 October 2003, 2:30 PM. The place for bid opening remains unchanged. 2) To address changes to the specifications as specified in block 14 continuation page. 3) To incorporate replaced drawings as specified in block 14 continuation page. 4) To incorporate submitted questions and answers by the Government. Answers submitted are for informational purpose only.  Note: Bidders must acknowledge receipt of this amendment by the date specified in the solicitation (or as amended) by one of the following methods: In the space provided on the SF1442, by separate letter, or by telegram, or by signing the block 15 below. <b>FAILURE TO ACKNOWLEDGE AMENDMENTS BY THE DATE AND TIME SPECIFIED MAY RESULT IN REJECTION OF YOUR BID IN ACCORDANCE WITH THE LATE BID, LATE MODIFICATIONS OF BIDS OR LATE WITHDRAWAL OF BIDS (FAR 14.304)</b>							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR  _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED  <b>09-Oct-2003</b>	

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**SUMMARY OF CHANGES**

## SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

AMENDMENT 0004**NOTICE TO BIDDERS**

Failure of the bidder to  
Acknowledge receipt of  
this Amendment in  
Item 19 of Standard Form  
1442 (Pg. 00010-2) may  
result in REJECTION of  
the bid.

IFB NO. DACW51-03-B-0019

Amendment No. 4

Department of the Army, NYD  
Corps of Engineers  
New York, NY 10278-0090

AMENDMENT NO. 4 TO SPECIFICATIONS FOR GREEN BROOK SUB BASIN OF THE RARITAN  
RIVER GREEN BROOK FLOOD CONTROL PROJECT SEGMENT U BOROUGH OF BOUND  
BROOK NEW JERSEY

**TO BIDDERS**

1. **Bid Opening:** The time and date of bid opening is changed to 2:30 PM, Thursday 30 October 2003. The place of bid opening remains unchanged.
2. **Specifications**
  - a. Delete Section 02810 ARCHAEOLOGICAL MONITORING in its entirety without replacement.
  - b. Section 01330 SUBMITTAL PROCEDURES: Add new pages 01330-42 and 01330-43 furnished with this amendment.
  - c. Section 00904 LIST OF ITEMS: Delete pages 2 and 3 and replace with new pages 2 and 3 furnished with this amendment.
  - d. Section 02331 LEVEE CONSTRUCTION Page 12 paragraph 3.7.2. Delete second sentence and replace with the following: 'The trench shall be excavated at least 25 feet in advance of construction but not more than 50 (fifty) feet in advance of construction.'
  - e. Section 02410 METAL SHEET PILING page 5 add the following paragraphs to the end of section:
    - 3.2 PAINTING  
Exposed faces of steel sheet piling (Retaining Walls No. 1 and 2) will be covered with a graffiti-resistant polyurethane enamel.

**3.2.1 Application Recommendations:**

- a. Application: Surface must be clean and dry before application. Grease, oil, waxy substances, dirt, etc. must be cleaned from the surface. Enamel should be applied by brush, squeegee or foam applicator.
  - b. Coverage Recommendations  
Metal—250 sq.ft./gallon  
Recommended film thickness:  
Wet: 12-15 mils  
Dry: 5-7 mils
- f. Section 03301 CAST-IN-PLACE STRUCTURAL CONCRETE. Paragraph 3.7.1 Change title of this paragraph to read: 'FLOODWALL AND RETAINING WALL PAINTING'. Change 'Exposed faces of concrete floodwalls...' to read: 'Exposed faces of concrete floodwalls, as well as concrete caps and exposed steel sheet piling of Retaining Walls No. 1 and 2...'
- 3. **Drawings:**
  - a. Replace Sheets 2, 8, 10, 15, 16, 17, 18, 23, 29, 30 and 38 with new Sheets 2, 8, 10, 15, 16, 17, 18, 23, 29, 30 and 38 furnished with this amendment.

### **Questions and Answers (For Information Only)**

Question 1: Graffiti resistant polyurethane enamel is to be applied to the floodwall per spec. section 03301, articles 3.7, 3.7.1, & 3.7.2, pages 29 & 30, and per the plans (sheets 5, 6, 15, etc.); however, no coating is applied to the exposed retaining wall sheeting and the concrete cap. Is it likely that the graffiti resistant coating scope might be increased to include such areas?

Response 1: Graffiti Resistant Paint should also be used on the exposed sheeting and concrete cap of Retaining Walls #1 and 2. The following have been amended: Spec section 03301 Cast-in-place structural concrete, spec section 02410 Metal Sheet Piling, Drawing sheets 16 and 17.

Question 2: The section / detail for Monoliths 1 thru 30 depicts an overall height of 17 feet; per plan sheets 15, 5 & 6, the top elevations appear to vary from elevation 65.65', 65.5', 65.3' and 65.19'. The bottom of concrete at elevation 48.65 is not shown, nor listed as changing for this section, and the bottom 3' wide portion of the monolith – shown be section to "vary" is calculated to be at 4.25 vertical feet only. This indicates that the section is inconsistent, or perhaps, unclear

Response 2: The section detail for the floodwall monoliths 1 through 30 will be revised for clarity.

Question 3: . a. With reference to plan sheet nos. 18 and 27, please note that the new manhole chamber with flow to drainage structure no. 4a is shown properly to have a slab top (contrary to standard detail on sheet 27); however, the casting is not 30" for the 28a – Standard Manhole Frame & Cover. The Standard Manhole Frame & Cover has a 27.5" cover, and is similar to the Campbell model 1203-B.

b. Section A/18 for the proposed manhole depicts rebar placement and wall/base thickness for concrete which are inconsistent with precast unit for the "Standard 57 Manhole" shown on drawing no. 27.

c. The Conversion casting is similar to the Campbell model 1232. Where is conversion casting used?

Response 3: a. The standard manhole frame and cover should be 27.5", as shown on sheet 27. The detail on sheet 18 will be changed to read 27.5"

b. Rebar was deleted from Sheet 18, and a note added to refer to sheet 27 for NJDOT standard details.

c. The conversion casting is to be used at the emergency driveway (with brick pavers) between Tea Street and the ShopRite access driveway.

Question 4: With reference to specification section 05490, page 2, article 3.2, please note that the documents do not have a section 09900

Response 4: The reference has been previously updated to 03301 Cast-in-place structural concrete.

Question 5: For plan sheet no. 23, the item number (section 00904, page 4) for the 18" x 18" hand operated sluice gate is item no. 34a, not no. 33b as shown on sheet 23

Response 5: This error is being corrected.

Question 6: Extent of Belgium block curb replacement is unclear from plans.

Response 6: Belgian block is to be removed and replaced in the area of the Drainage Structure #5 manhole.

Excavation for this manhole requires a side slope of 1 on 1 around the perimeter; this excavation will affect part of the surrounding ShopRite parking lot and curb.

Question 7: Trees to be removed and transplanted to new locations are not the same when comparing sheet no. 34 and no. 38; are these meant to be additive, or is one drawing exclusive?

Response 7: Trees shown to be transplanted on sheet 38 were incorrect, they were deleted.

Question 8: Item nos. 12 (crushed stone) and 49 (gravel surface) do not appear to be used; if they are, then please clarify location & limits

Response 8: Crushed Stone is to be used for the Construction entrance and stream crossing. Gravel Surfacing is not used and will be deleted.

Question 9: For ditch no. 1, please provide additional details & sections.

Response 9: Additional sections for Drainage ditch #1 have been added – they are on Sheet 10.

Question 10: With reference to addendum no. 2, Shop Drawing Transmittal, section 01330, please note the following:

page 25 – pipes are concrete, and do not contain resin.

page 25 – pipe joints are "mortar type", not gasketed.

page 33 – rebar / reinforcement bars are not shown to be "epoxy coated"

per plan drawings, nor per article 2.1.1 – (plain) Steel Bars, page 2 of specification section 03210. If epoxy bars are to be used, please advise.

page 24 – note that exposed sheeting is not to receive any protective coating per section 02410.

Response 10:

Page 25: Pipes and joints shall be as specified in Section 02630, Part 2.

Page 33: Epoxy bars are not required.

Page 24: Exposed sheeting is now to receive graffiti resistant paint (see RFI#5, above).

Question 11: Specification section 00800, page 75 (of 88), item 14. Field Office and Vehicle, under paragraph letter d., requires a "One (1) partitioned meeting area having a minimum of 1,680 square feet of open floor area". Is the above specification correct? If the trailer were 8 foot in width, then the meeting room would be 210 feet in length. Or is this to be a rented space?

Response 11: 1,680 square feet is a misprint. An example of a suitable space is a double wide trailer 24 feet in length.

Question 12: From section 00800, the following items are unclear:

- For the “fire proof” legal sized filing cabinets required (p. 76), is a one hour rating sufficient for fire resistance (1-hour units cost about \$2,000 each)?

Response 12: Yes

Question 13: pages 76 & 77 – how many sets of Windows 2000 operating system packages are required? -- 2 are shown, or is it 3?

Response 13: One each Windows 2000 Professional or Windows XP operating system per computer furnished

Question 14: What sort of “database manager” is required? Is it to be a security database manager like the Symantec (\$37) program, or is it like the Borland (\$2,100) database designer manager program? Isn't it sufficient to have Microsoft “Access” database as part of the Office Professional requirement?

Response 14: Microsoft Access suffices.

Question 15: Pages 76 & 77 appears to require two different Microsoft Office versions; the 2000 ME edition was designed for the 2000 ME operating system, but Windows 2000 ME is not provided; please clarify.

Response 15: Windows 2000 Professional Edition; or Windows XP will suffice, together with corresponding version of Microsoft Office.

Question 16: What type of Primavera software is required? Is it Primavera “P3 Planner”, Primavera “Suretrak”, or something else? For this and all software, how many licenses are required?

Response 16: Only one licensed copy of Primavera P3 Planner is required. For Windows 2000 Professional Edition; or Windows XP, together with corresponding version of Microsoft Office, one each licensed copy per computer furnished is required

Question 17: What type of “communication software” is required? fax, e-mail, web, phone, with other computers?

Response 17: Computers are to be furnished with software required for DSL internet access. It is expected that ‘email’ and ‘web’ software are included within the Microsoft Windows/ Microsoft Office software furnished with the computers. Fax software will not be required as facsimiles will be transmitted and received using the fax machine to be furnished.

Question 18: What is the complete model number for the HP Color Jet 500 Plotter? This unit comes in two widths, and has four model numbers for the 500 series. Are the four types of plotter ink to be provided by the contractor during the 210 day period?

Response 18: We are unable to specify the plotter in greater detail than ‘Design Jet 500 with 42” paper roll’ Yes.

Question 19: Please define what is the maximum size steel tool box required for this project. The largest available may not necessarily be suitable for your use.

Response 19: Two feet by three feet by 2 feet.

Question 20: Does the USACE provide their own “zip cartridges” for the drives? If not, how many are required?

Response 20: The requirement for a zip drive and media is deleted. Mass storage will be provided for by CDRW drive furnished with computer.

Question 21: On page 76, the first paragraph states that “phone service shall be applied in the USACE’s name and itemized bills paid by the Government”; however, page 78, letter e. states that the “Contractor shall be responsible for the monthly utility and telephone payment ...”. Please clarify as the spec appears to have a contradiction.

Response 21: Phone service including business telephone and DSL will be applied for and paid by the Contractor.

Question 22: Specification section 02221, page 2, article 3.1 cites section 02110; the project documents do not have a section 02221; clearing is addressed in other sections.

Response 22: The reference was changed to section 02331 Levee Construction, as part of Amendment #3

Question 23: Plan sheet no. 28 indicates that some of the project work will occur in the NJDOT right-of-way. Has the NJDOT permit been applied for? Is the permit to be secured by the USACE? If the contractor has to apply & secure the permit, will the USACE pay for the costs?

Response 23: The NJDOT Permit will be secured by USACE.

Question 24: . The second sentence of article / paragraph 3.7.2, “Inspection Trench”, page 13, Section 02331(Levee Construction) states:

*The trench shall be excavated at least 25 feet in advance of but not more than 5 feet in advance of construction.*

The above cited specification is unclear. Please clarify

Response 24: The second sentence of par 3.7.2 in Section 02331 should read: *The trench shall be excavated at least 25 feet in advance but not more than 50 (fifty) feet in advance of construction.*

Question 25: Relative to the inspection trench, the project scope pertains to excavation, inspection, and what appears to be the re-compaction of the existing soils back into the excavated inspection trench. Is that correct, or is it required that “compacted embankment materials (clay, silty-clay, sand with 30 % clay, etc.) replace the material from the inspection trench? Please clarify as it is unclear from the cross-section profiles.

Response 25: It is required that “Compacted Embankment Materials” replace the material from the inspection trench.

Question 26: Review of the soil borings on plan sheet no. 40 indicates that split spoon sampling encountered boulders and dense/obstructive cobbles (see log nos. PB-2, PB-3, MB-3, and BB-6). Per the description, these range from trace to some (1% to 40%).

It is likely that the presence of boulders and cobbles will impact driving of PZ-27 sheeting, and possibly, the sheeting will not be able to penetrate the dense materials. Likewise, it is unlikely that the sheeting will be able to achieve significant penetration into the bedrock.

If these observations are valid, then the project’s design and implementation would need to be revised.

For bidding and construction, however, the design consideration for the use of sheeting will be assumed to be possible and accomplished by driving the sheeting in accordance with the project specifications using typical and normal practices for such work. If the sheeting cannot be driven by normal means, then a scope change, or re-design should be considered.

Response 26: See Response 27 below

Question 27: We have reviewed the soil borings on contract plan no. 40, particularly boring logs PB-2, PB-3, MB-3, and BB-6. These borings, we believe, are the closest borings to the proposed steel sheet piles for the flood wall, Retaining Wall 1, and for Retaining Wall 2.

The referenced borings indicate that the top of rock is at a significantly higher elevation (average 3'-5') than the proposed tip elevation of the steel sheet piles at each of the three referenced structures. Further, the descriptions of the various soil strata indicate very dense granular material, including boulders and cobbles that, we believe, will obstruct the penetration of the steel sheet piles. The spoon blow records (spoon blow counts exceeding 75-100 and higher per six inches) accompanying the soil description support our perception, i.e., the tips of the steel sheet piles will not penetrate either to the proposed design tip elevation or, for that matter, to the elevation of the shale bedrock. The tips of the steel sheet piles will "hang-up" in the nestled boulders and cobbles or, what we believe is worse, become damaged from the obstructions.

Have you reviewed the constructability of the steel sheet pile cut-off walls in these three areas? Have you considered any alternative construction method and/or material to accomplish the installation of a hydrostatic cut-off wall in these three areas?

Response 27: The detail plans (16 and 17) for Retaining Walls 1 and 2 indicate the tip of the sheet piles will be driven to top of rock or Elevation 36.0 m.s.l., whichever is higher. We expect the driving of the sheet piles to be difficult but the Contractor should use the appropriate driving shoes, points, or mandrels to drive through the dense silty soil indicated in the borings. The bedrock in the borings is a highly fracture Red Shale which is a relatively soft sedimentary bedrock. In many areas this bedrock is highly weathered. Many alternatives were considered for Retaining Walls 1 and 2 but the least expensive were steel sheet pile retaining walls.

Question 28: On Plan Sheet 19 there is a section indicated as B/19. Is this an encasement detail for the entire length of the proposed 18" RCP or a detail of a collar for a joint as located on the profile? If the latter, what is the length?

Response 28: Section B/19 is a section through the Concrete Control Manhole, as are all sections B/# on sheets 18 through 23.

Question 29: Is project to be bid on a lump sum basis with no itemized breakdown?

Response 29: The project will be bid lump -sum.

Question 30: Please explain item 0002 option for the contractor to provide the additional cost of commercial general/public liability insurance. Does this mean we are supposed to omit the cost of insurance in our bid for item no 0001?

Response: Yes

Question 31: Is the Government going to procure and provide insurance needed if the item 0002 option is not exercised by the Government, such as in an owner insurance wrap up program?

Response: Can not say at this time, it's TBD (to be determined). However, a price must be submitted for Clin 0002.

4. This Amendment shall be attached to the specifications and shall be a part thereof.

#### SECTION 00010 - SOLICITATION CONTRACT FORM

The required response date/time has changed from 16-Oct-2003 01:30 PM to 30-Oct-2003 02:30 PM.

(End of Summary of Changes)



UNIKACI NU.

**CONTRACTOR****CONTRACTOR****CONTRACTOR**

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01330-43

**LIST OF ITEMS**  
**GREENBROOK FLOOD CONTROL PROJECT**  
**SEGMENT U**

<b><u>Item No.</u></b>	<b><u>Description</u></b>
1	Protection and Maintenance of Traffic
2	Stream Diversion and Dewatering
3	Clearing and Grubbing
3a	Erosion and Sedimentation Control
4	Structures to be removed
5	Excavation, Common
6	Excavation, Stripping
7	Compacted Fill, Common
8	Compacted Embankment Material
9	Concrete
9a	Grout
10	Steel Reinforcement
11	Riprap
12	Crushed Stone
13	Bedding Material
14	Select Granular Material
15	Geotextile
16	5" Topsoil and Seeding
18b	Steel Sheet Piling - PZ-27
19	Steel Channel - 6x10.5
20	Modified Steel Channel - 8x21.4
21	Not Used
22	Miscellaneous Steel
23	Waterstop Type "Y"
24	Bond Breaker
25	1/2" Pre-molded expansion joint material
26a	Aluminum Hatch Frame and Cover 30"x36"
26b	Aluminum Hatch Frame and Cover 30"x42"
26c	Aluminum Hatch Frame and Cover 30"x60"
26d	Aluminum Hatch Frame and Cover 30"x84"
27	Not Used
28a	Manhole Frame and Cover - Standard
28b	Manhole Frame and Cover - Conversion Type
28c	Not Used
28d	Type 'E' Inlet Frame and Cover

29	Manhole Steps
30	Handholds
31	Fixed Ladder
32	Retractable Safety Post
33a	36"x36" Motor Operated Sluice Gate
33b	60"x60" Motor Operated Sluice Gate
34a	18"x18" Hand Operated Sluice Gate
34b	24"x24" Hand Operated Sluice Gate
35	Not Used
36	Elastomer Check Valve
37a	Not Used
37b	Not Used
37c	18" Diameter Pipe
37d	24" Diameter Pipe
37e	Not Used
37f	Not Used
37g	60" Diameter Pipe
38	Not Used
39a	Subbase
39b	Dense Graded Aggregated Base Course 12" Thick
40	Bituminous Stabilized Base Course Mix 1-2
41a	Bituminous Concrete Surface Course Mix 1-5
41b	Bituminous Concrete Binder Course Mix 1-3
41c	Tack Coat
41d	Prime Coat
42	Anti-Graffiti Paint
43	Not Used
44	Vehicle Barrier Gate
45	Pipe Railing
46	Chain Link Fence
47	Electrical Work Drainage Structure No. 3
48	Electrical Work Drainage Structure No. 4
49	Not Used
50	Relocate, Remove and/or Replace Existing Fences & Guard Rail
51	9"x18" Concrete Vertical Curb
52	Concrete Sidewalk, 4" Thick
53	Belgian Block Curb
54	Landscaping
55	Cellular Confinement System
56	Erosion Control Blanket
57	Manhole, 48" Inside Diameter